

SANDY BEACH ROAD (TARRANT COUNTY) PELICAN BAY AND AZLE, TEXAS



**EPA REGION 6
CONGRESSIONAL
DISTRICT 12**

**EPA ID# TXN000605649
Site ID: 0605649**

**Contacts:
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Updated: November 2007

Current Status

EPA conducted a soil gas survey of the former dump site located on Mountain View Drive, north of Sandy Beach Road in October 2007. The data indicates a possible source area on the eastern side of the dump site for the trichloroethene (TCE) that has been detected in the ground water. EPA collected a 2nd round of soil gas data in late October to refine the likely boundaries of the source area, and the data will be available in November. EPA is also planning a geophysical survey of the possible source area to determine the depth and features of the area prior to exploratory excavations and drilling.

EPA received the sample results from the August sampling of the private water supply wells. A map at the end of this summary has the projected boundaries of the TCE plume. EPA also completed geophysical logging of select wells based on landowner consent for access. The logs provided information on the contaminated intervals in the aquifer.

EPA has completed residential water line connections to the City of Azle water supply system for those residences with contaminated private water supply wells within the City of Azle or in adjacent area of Tarrant County. Three additional residential water line connections to the City of Pelican Bay are pending amendments to the City water supply infrastructure. The Sandy Beach Road Ground Water Plume site consists of a trichloroethene (TCE) contaminated ground water plume approximately one-half mile wide by one mile long originating from an unidentified source in northwest Tarrant County. The plume is centered along Sandy Beach Road and is present beneath residential areas within parts of Pelican Bay, Azle, and unincorporated areas of Tarrant County.

Benefits

The predominant threat to human populations is the ingestion of TCE contaminated drinking water and the potential for exposure by inhalation of TCE vapors. Exposure to the contamination has been temporarily mitigated due to the installation of filtration systems on the contaminated residential wells by the TCEQ. EPA provided bottled drinking water to the affected residents until the filtration units were installed and proved to be fully working. The City of Pelican Bay water supply system continues to operate the wells completed in a deeper aquifer unaffected by the contamination. The water supply for Azle is unaffected by the contamination.

National Priorities Listing (NPL) History

NPL Inclusion Proposal Date:	April 27, 2005
NPL Inclusion Final Date:	September 14, 2005

Site Description

The site is an area of ground water contamination located beneath residential areas within parts of Pelican Bay, Azle, and unincorporated areas of Tarrant County. The City of Pelican Bay supplies potable water to approximately 1,500 residents. The water supply for Azle is from surface water and is unaffected by the contamination.

The plume has affected three public water supply wells in Pelican Bay and as many as 12 residential drinking water wells in Tarrant County and Pelican Bay. Two of the municipal supply wells and nine of the residential wells had TCE concentrations above the accepted health-based level for TCE. The public water supply wells were shut-down and filtration units have been placed on the affected private water supply wells.

The contaminated ground water plume contains TCE and lesser amounts of 1, 2-dichloroethene and the gasoline additive MTBE. The contamination has been detected in the Paluxy aquifer at a depth of approximately 100 feet to 200 feet below ground surface. Private water supply wells, which range in depth to 200 feet, are typically completed in the Paluxy Aquifer. Two wells in the Pelican Bay public water supply system that produced water from the Paluxy aquifer have been closed due to contamination. Ground water contamination has not been detected in the Twin Mountains aquifer at a depth of approximately 400 feet at the site. The principal production wells in the Pelican Bay public water supply system produce water from the Twin Mountains aquifer. The water supply for Azle is unaffected by the contamination.

Wastes and Volumes

The TCE plume is approximately one-half mile wide by one mile long as defined by the 5 ppb limit. The source of the contamination may be a former dump site located along Sandy Beach Road. The extent of the ground water contamination will be investigated during the remedial investigation.

Record of Decision (ROD)

A Record of Decision is pending completion of the Remedial Investigation/Feasibility Study and issuance of the Proposed Plan for public comment.

Site Contacts

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EPA Regional Public Liaison:	Arnold Ondarza	214-665-6701
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EPA Superfund Region 6 Toll Free Number: 1-800-533-3508

Information Repository: Azle Public Library, 609 SE Parkway, Azle, TX 76020

Site Map

The following site map illustrates the TCE contaminant plume map based on the August 2007 sampling results from private and public water supply wells across parts of Azle and Pelican Bay.

